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Amendments to Claims

Please amend the claims as indicated in the listing below, which listing supercedes and replaces all prior listings of claims:

1. (Currently Amended) ~~In a telecommunications system, a~~ <u>A</u> processing module <u>for use in a telecommunications system where the processing module is in</u> communication with a telecommunications switch or other <u>an</u> external communication device <u>(collectively, "external device")</u>, said processing module comprising:

   a message handling object that receives message fragments from said external device <u>and that (i) discerns call control events from those message fragments and (ii) forms messages from those message fragments, where at least one of those messages is formed from a plurality of message fragments,</u> ~~said message handling object discerning an event and forming a message associated with said event from selected ones of a plurality of received message fragments,~~ and

   a dispatcher in communication with said message handling object, said dispatcher identifying <u>selected processes for processing the call control events discerned by the message handling object</u> and invoking <u>those processes with messages in connection with which those call control events were discerned</u> ~~a selected process for processing said event, wherein~~

   <u>the invoked</u> ~~said selected~~ processes <u>executing</u> ~~executes at least one~~ tasks <u>in order to process the respective call control events and, in connection therewith, providing for</u> ~~providing a~~ communication services <u>identified by the respective messages in connection with which those call control events were discerned and with which those processes were invoked</u> ~~said messages~~.

   <u>where one or more of the selected processes comprise context objects instantiated in response to call control events discerned by the message handling object.</u>

2. (Currently Amended) A processing module according to claim 1, wherein said dispatcher is configured to identify a processor <u>executing a</u> ~~containing~~ said selected process.

Claim 3 (cancelled).

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4. (Currently Amended) A processing module according to claim 1, wherein <u>one or more of</u> said <u>call control</u> events belongs to an event class within an event hierarchy such that events within <u>a same</u> ~~an~~ event class are dispatched to a single ~~processing~~ context <u>object</u>.

5. (Original) A processing module according to claim 1, wherein said communication service includes a call feature of a subscriber.

6. (Original) A processing module according to claim 1, wherein said message handling object is configured to determine whether a newly received message fragment is associated with one or more previously received message fragments.

7. (Original) A processing module according to claim 1, wherein said message handling object is configured to determine whether a received message fragment is the first fragment for forming a new message.

Claim 8 (cancelled).

9. (Currently Amended) A processing module according to claim <u>1</u>~~[8,]~~ wherein <u>one or more of</u> the <u>context</u> ~~instantiated~~ objects access a compiled representation of logic defining a said <u>communications</u> ~~telecommunication~~ service.

10. (Currently Amended) A processing module according to claim 9, wherein the compiled representation is generated from a textual description in a mark-up language of the logic defining the <u>communications</u> ~~telecommunication~~ service.

11. (Currently Amended) A processing module according to claim <u>1</u>~~3~~, wherein said call control event includes an extended event defined as a combination of a call progress event and a pre-defined condition.

Claims 12 (Cancelled).

13. (Currently Amended) In a telecommunications system, a processing module in communication with <u>telecommunications switch or other</u> ~~an~~ external communication device <u>(collectively, "external device")</u>, said processing module comprising

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one or more message handling objects that receive message fragments from one or more external devices, said message handling objects assembling said message fragments to discern one or more events and to form one or more messages such that each message is associated with at least one of the events and such that at least one of those messages is formed from a plurality of message fragments, and

a dispatcher in communication with said message handling objects, said dispatcher identifying selected processes for processing the events discerned by the message handling object and invoking at least one process that dynamically binds to a processing context defining an action to be executed in response to at least one of said events for providing a communication service identified by the message associated with said event

the invoked process executing tasks in order to process the respective events and, in connection therewith, providing communication services identified by the respective messages in connection with which that event was discerned,

where one or more of the selected processes comprise context objects instantiated in response to discerned by the message handling object.

Claims 14 – 15 (cancelled).

16. (Currently Amended) ~~In a telecommunications system, a~~ A method for communicating with an a telecommunications switch or other external communication device (collectively, "external device"), the method comprising the steps of

receiving a plurality of message fragments from the external device,

discerning an event and forming a message associated with said event from selected ones of said received message fragments, where at least one of those messages is formed from a plurality of message fragments, ~~and~~

identifying ~~and invoking a~~ selected processes for processing ~~the said~~ events discerned by the message handling object, and invoking those processes with message in connection with which those events were discerned.

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wherein said selected processes executes ~~at least one~~ tasks <u>in order to process the</u> <u>respective events and, in connection therewith, provide</u> ~~for providing~~ a communication tion service identified by said message<u>, and</u>

<u>instantiating context objects within one or more of the selected processes in response</u> <u>to at least selected events.</u>

17. (Original) The method of claim 16, further comprising the step of determining whether a newly received message fragment is associated with one or more previously received message fragments.

18. (Original) The method of claim 16, further comprising the step of determining whether a received message fragment is the first fragment for forming a new message.

19. (Original) The method of claim 16, further comprising the step of identifying a processor containing said selected process.

20. (Original) The method of claim 16, wherein said event is selected to be a call control event.

21. (Currently Amended) The method of claim <u>20.</u> ~~18,~~ wherein said call control event is selected from the group consisting of offhook, dialComplete, remoteAlerting, remote-Answered, seizure, hookflash, localRelease, and remoteRelease.

22. (Original) The method of claim 16, wherein said communication service is selected to include a call feature of a subscriber.

Claims 23 – 26 (cancelled).